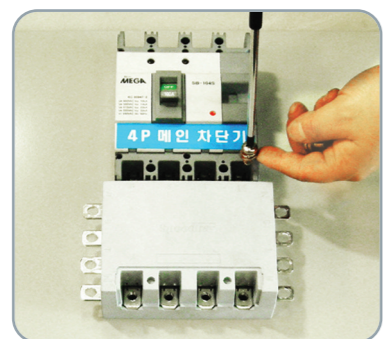


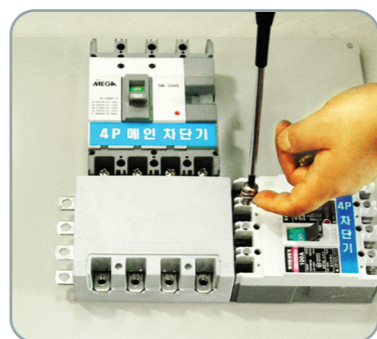
6 Speed-bar assembly process



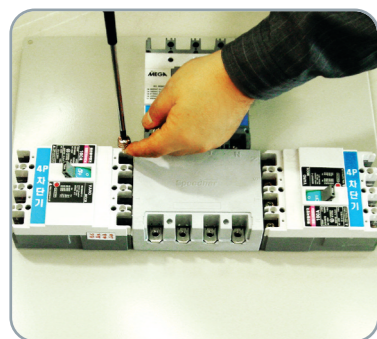
1. Main Breaker



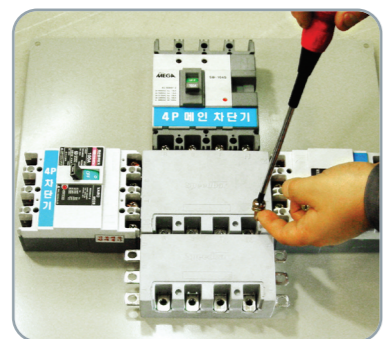
2. Speed-bar Attachment



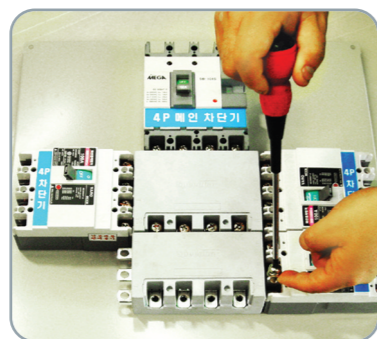
3. Right Quarter Breaker



4. Left Quarter Breaker

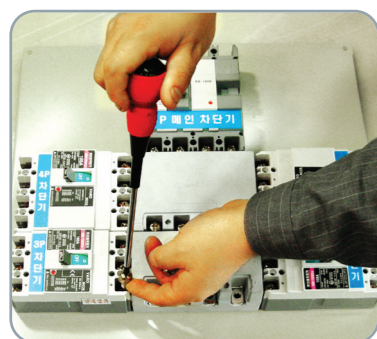


5. Speed-bar Attachment

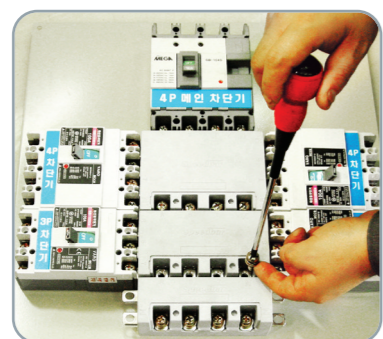


6. Right Quarter Breaker

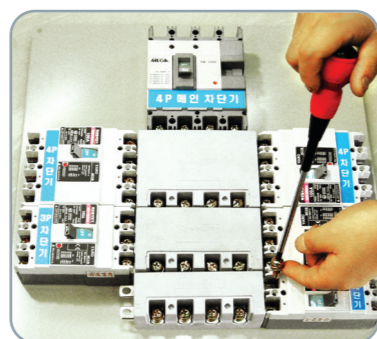
Block Type Power Distributor
Speedbar



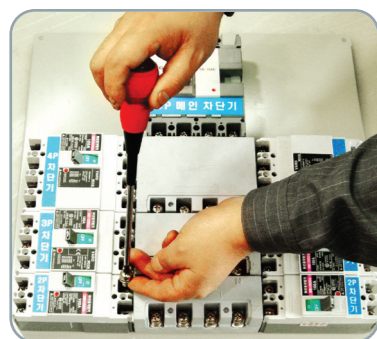
7. Left Quarter Breaker



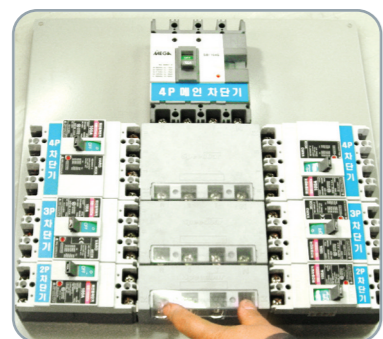
8. Speed-bar Attachment



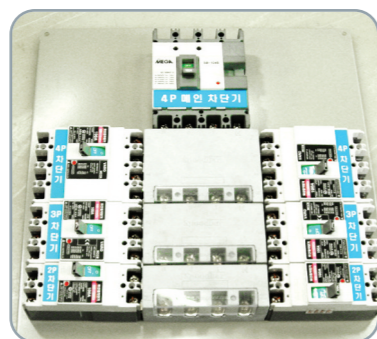
9. Right Quarter Breaker



10. Left Quarter Breaker

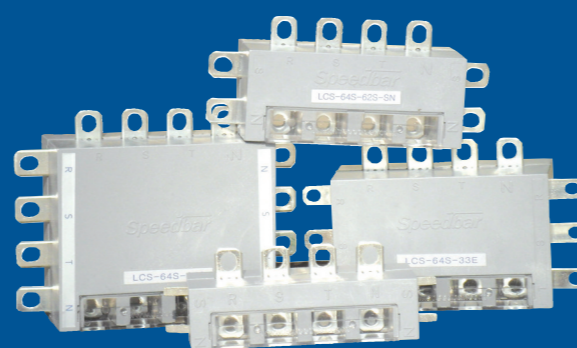


11. Cover Attachment



12. Complete panel board Assembly

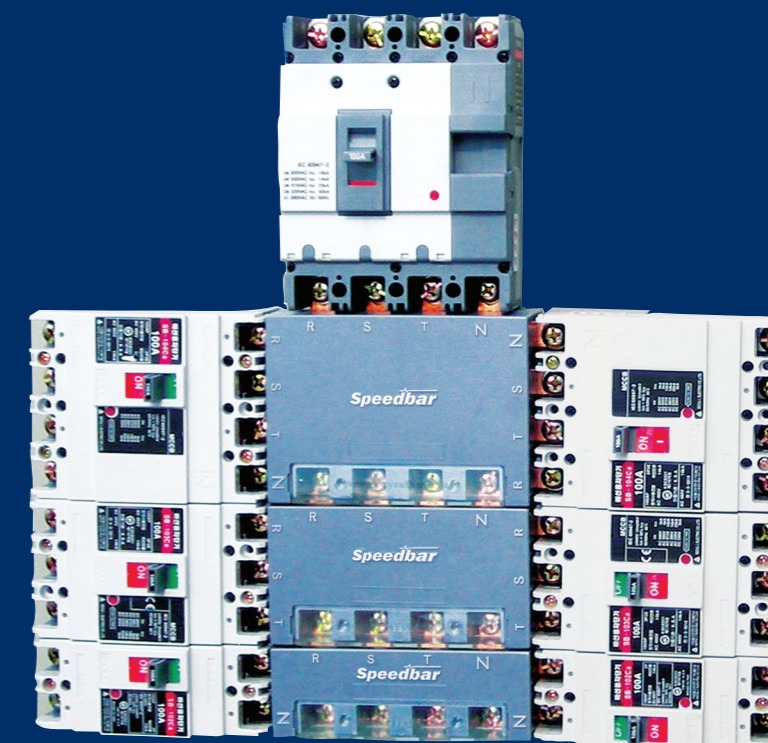
<http://www.ispeedbar.com>



Block Type Power Distributor
Speedbar

Block Type Power Distributor
Speedbar

Module Block Bus-bar Cutting : MBBC



Module block speed-bar distribution panel

New technology

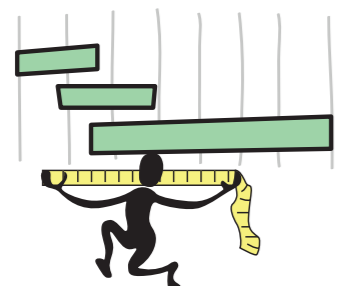
LCPK
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1 Background : Weak points of Old type cabinet panels



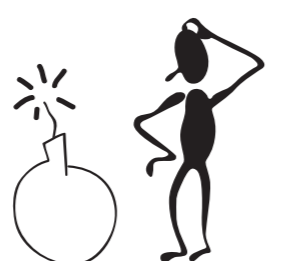
Hard to repair **cabinet panel** in emergency situations




Hard to add breakers after installation of **cabinet panel**



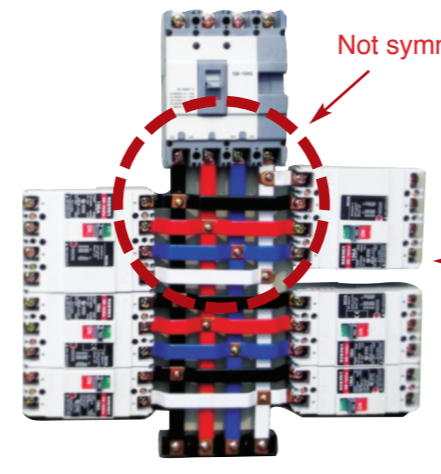
Not easy to make **cabinet panels**



High risk to operate & maintain **cabinet panel**



Is there a naway?

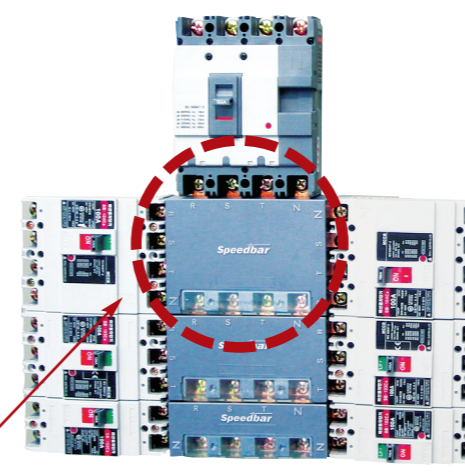


Not symmetry

Gab between up and down branch breaker, makes some causes of electric accidents.

It makes compact size and reduce the cost of outside box and risk of accidents

Old type cabinet panel



SpeedBar cabinet panel

3 Effective Design of inside power distribution circuit

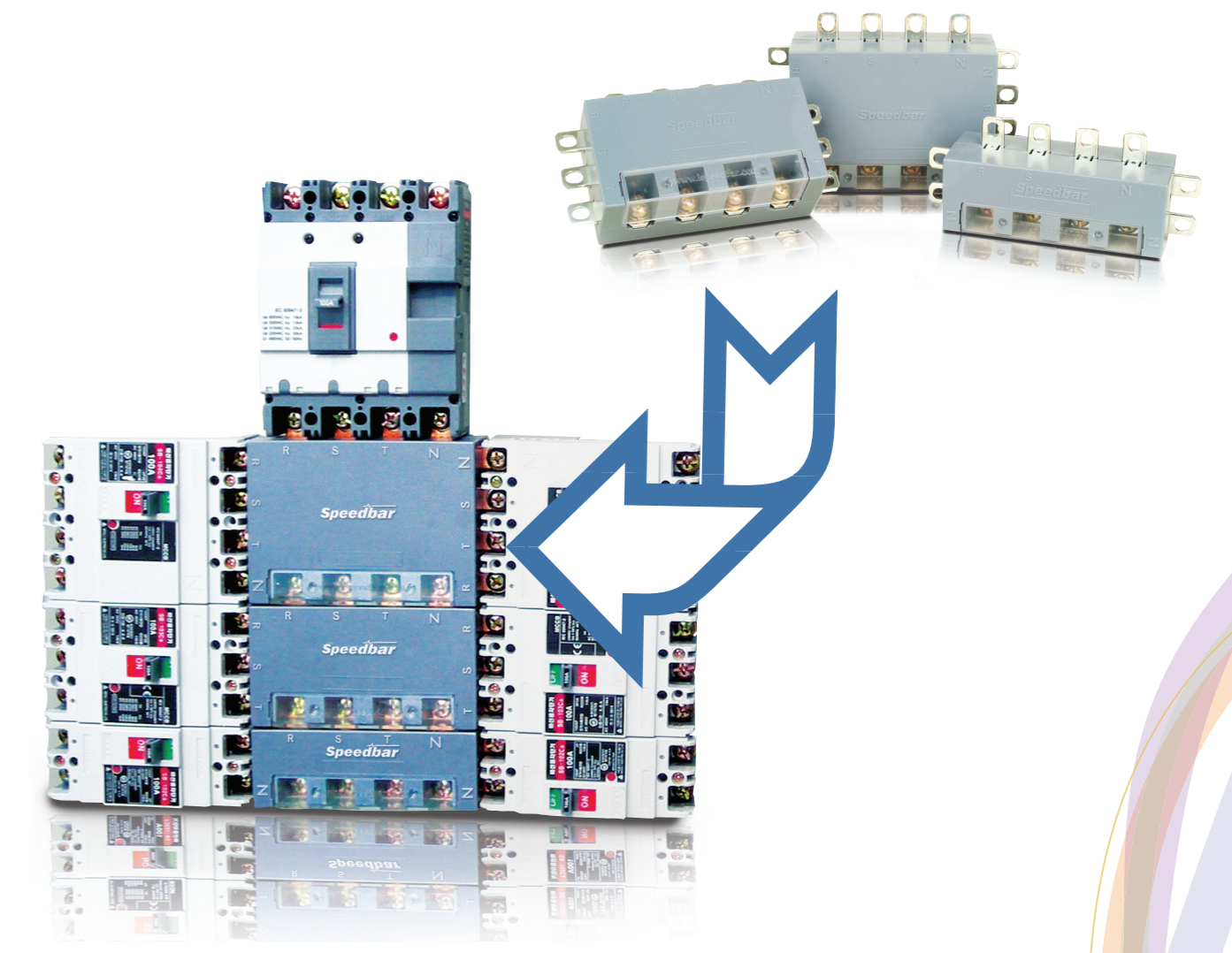
- In old type, the position of branch breaker in right and left sides are not symmetry. Because it is impossible to make phases (R,S,T,N) of right and left connection points symmetry. But Speedbars can make the right and left side of cabinet panel symmetry, and compact size.

Block Type Power Distributor *Speedbar*

4 Comparison with copper bus - bar cabinet panels (2)

구분	Old - type cabinet panel	Brand New Speedbar cabinet panel
Work process	Need to special machine	Need to screwdriver
Work time for making one cabinet panel	About 8 hours	About 30minits
structure Change after making cabinet panel	Impossible	Possible
Addition breakers after installation of cabinet panel	Impossible	Possible (in the outside box size)
Recyclable	Impossible (junk)	100% Possible
Work Error rate	A little bit	Near 0%
Production Manpower	Specialist (cost up)	Non-specialist (cost down)
Safety	Risky (electric shock, fire ,...)	Safe

- # 5
- Easy Assemble like as LEGO
 - Rigid and removable blok assembly to provide easier screwing
 - Flexible connect with standardizing modular block
 - Designed to provide higher level of safety
 - No using directly by tin and copper busbar



Technical Description

- Short-time withstand current : 7.5kA/1s
- Rated Operation Voltage : 380V
- Rated Insulation Voltage : 400V
- Rated Frequency : 50/60Hz
- Rated Impulse withstand Voltage : 4kV
- Rated Current : 4P 100A, 4P 225A, 4P 60A
- Power Frequency withstand voltage test & Short-time withstand current test : tested by Korea Electrotechnology Research Institute (KERI)
- Safety test : tested by Korea Electrical Safety Corporation (KESCO) safety center, in compliance with standards : IEC 60439-1

Features

- Simplified product range 4P for Main Breaker, 4P/3P/2P for Feed Breaker
- High performance Non combustibile insulated Cover & Boox Copper busbar & Tin coating terminal
- Modular type
- Eco friendly material
- Prevent shortage accident
- Easy & Simple maintenance
- Slim enclosure

Module Block Switch Board

2 Case of buming resist materials and Zn coating Cu terminals

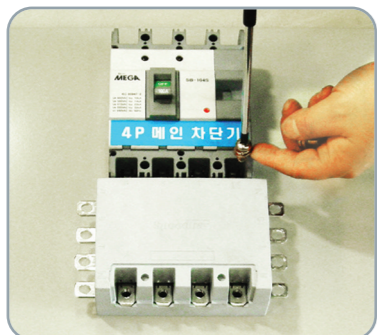
- The use of burning resist materials (ABS burning resist & Glass 10%) to reduce the risk of fire
- The use of Zn coating Cu terminals for prevention of oxidation



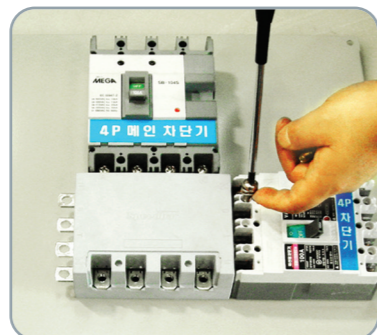
6 Speed-bar assembly process



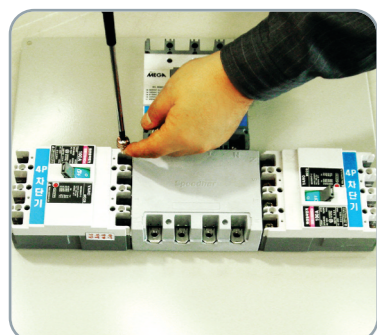
1. Main Breaker



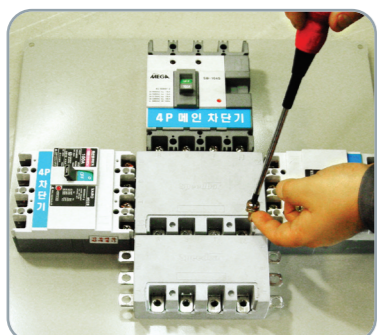
2. Speed-bar Attachment



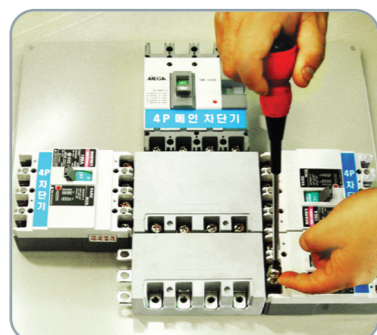
3. Right Quarter Breaker



4. Left Quarter Breaker

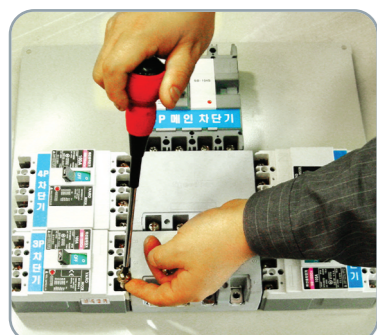


5. Speed-bar Attachment

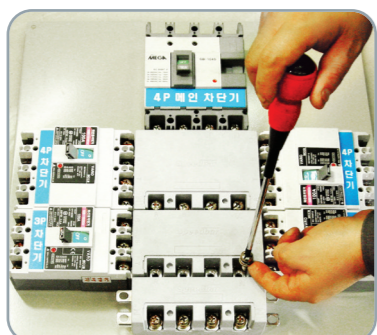


6. Right Quarter Breaker

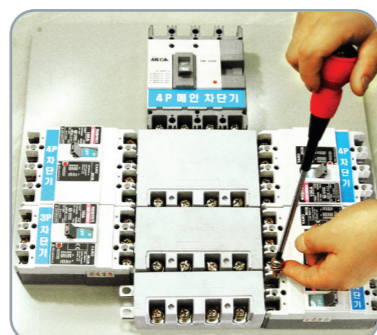
Block Type Power Distributor
Speedbar



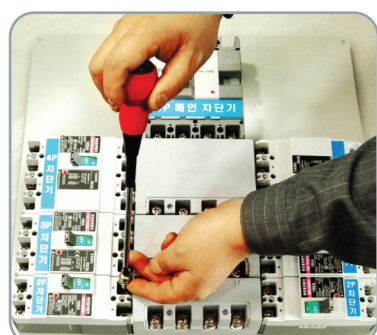
7. Left Quarter Breaker



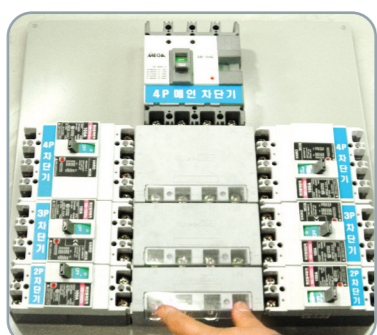
8. Speed-bar Attachment



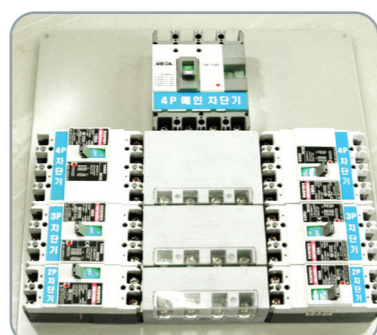
9. Right Quarter Breaker



10. Left Quarter Breaker

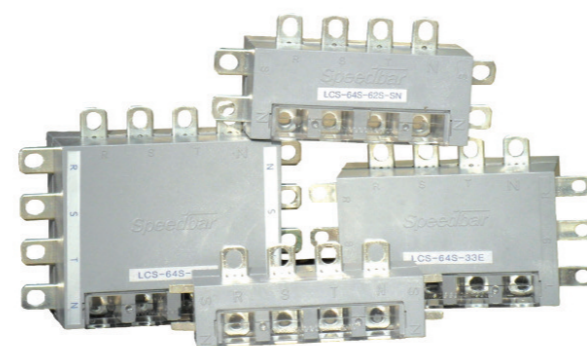


11. Cover Attachment



12. Complete panel board Assembly

<http://www.ispeedbar.com>



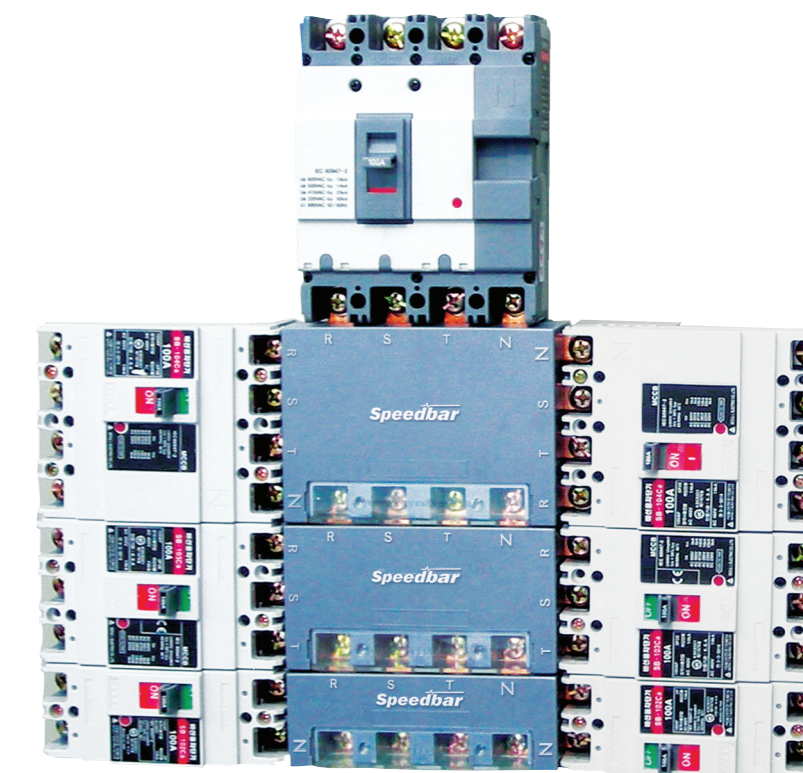
Block Type Power Distributor
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Block Type Power Distributor
Speedbar

Module Block Bus-bar Cutting : MBBC



**Module block speed-bar
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New technology

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